

## PRELIMINARY LIST OF SPIDERS OF THE GREAT SWAMP<sup>1</sup>

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In January 1944 the authors began an ecological survey of a portion of the Great Swamp, Chatham Township, Morris County, New Jersey. The survey is being conducted on an area one-half mile square. This area is easily located as it is bounded on the north by Southern Boulevard as far as one-half mile west from the point where the Public Service High Power Line crosses it and on the east by the power line to a distance one-half mile south from Southern Boulevard.

The following list of spiders was taken by sweeping in the terrestrial grass lands on the southern face of the Wisconsin Terminal Moraine which forms the northern boundary of the Great Swamp. We are greatly indebted to Dr. Willis J. Gertsch of the American Museum of Natural History for identifying the specimens. All specimens were collected by the authors.

*Steatoda borealis* (Hentz), 1 male, April 22, 1944.

*Pityophyphantes costatus* (Hentz), 1 female, April 22, 1944.

*Singa pratensis* Emerton, 1 immature female, April 22, 1944; 5 immature females, August 13, 1944.

*Frontinella communis* (Hentz), 1 female, April 22, 1944.

*Coras medicinalis* (Hentz), 1 male, April 22, 1944.

*Tegenaria derhami* (Scopoli), 1 immature female, April 22, 1944.

*Neoscona* sp., 1 immature female, July 9, 1944.

*Oxyopes salticus* Hentz., 1 female, July 9, 1944; 1 female, August 13, 1944.

*Zygoballus bettini* Peckham, 1 female, July 9, 1944.

*Hytia pikei* Peckham, 1 immature female and 1 male, July 9, 1944; 1 male, August 13, 1944.

*Metaphidippus capitatus* (Hentz), 1 female, July 9, 1944.

*Maevia vittata* (Hentz), 1 immature female, July 9, 1944; 2 immature, August 13, 1944.

*Evarcha hoyi*, Peckham, 1 female, July 9, 1944; immature male, August 13, 1944.

*Misumenoides aleatorius* (Hentz), 1 male, August 13, 1944.

*Misumenops asperatus* (Hentz), 1 immature, August 13, 1944.

*Thanatus lycosoides* Emerton, 1 immature, August 13, 1944.

*Dictyna* sp., 1 immature female, August 13, 1944.

*Mangora gibberosa* Hentz, 1 immature female, August 13, 1944.

<sup>1</sup> First contribution to the Great Swamp Ecological Survey.

*Argiope trifasciata* (Forsk.) , 3 immature males, August 13, 1944.

*Phidippus* sp., 8 immature, April 13, 1944.

*Habronattus* sp., 1 immature female, August 13, 1944.

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**Pseudoepameibaphis Aphid Records.**—Most species in this small but interesting genus are rather flattened pear-shaped, in general body form. These aphids usually were collected on *Artemisia tridentata* or its varieties. Populations at times were high enough to cause injury to this important range browse plant.

*Pseudoepameibaphis essigi* K.—S. was collected at Wells, August 20, 1943, Battle Mt., August 16, 1945, and Carlin, July 24, 1944, in Nevada. It also was taken at Mt. Nebo, Utah, July 12, 1942; Hamilton, Montana, August 7, 1944 (Knowlton), and Kleine, Montana, June 19, 1942 (H. F. Thornley); and at Ephrata, Washington, August 14, 1945.

*P. tridentatae* (Wilson) was found in the stomach of a rock wren collected at Dolomite, Utah, September 28, 1941; at Emigrant Pass, Nevada, July 12, 1944 (6100 feet elevation); Snowwater Lake, Nevada, August 20, 1943; Yellowstone Park, Wyoming, August 2, 1944; Clyde Park, Montana, June 25, 1942 (H. F. Thornley).

*P. glauca* G.—P. at Hiawatha, September 6, 1945, Mt. Nebo, July 12, Brigham Canyon and Mantua, August 29, 1936, in Utah; Emigrant Pass, Nevada, July 24, 1944; Wells and Snowwater Lake, Nevada, August 20, 1943; Flagstaff, Arizona, September 23, 1944; Forsyth, June 1, Custer, June 2, Roundup, June 5, Ryegate, May 14, and Rothiemay, June 19, in Montana during 1942 (H. F. Thornley).—G. F. KNOWLTON, Utah State Agricultural College, Logan.

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**Badly Wanted by the Editor.**—Brief notes from 4 to 30 typed lines to fill such blanks as this and others in this number and other numbers.